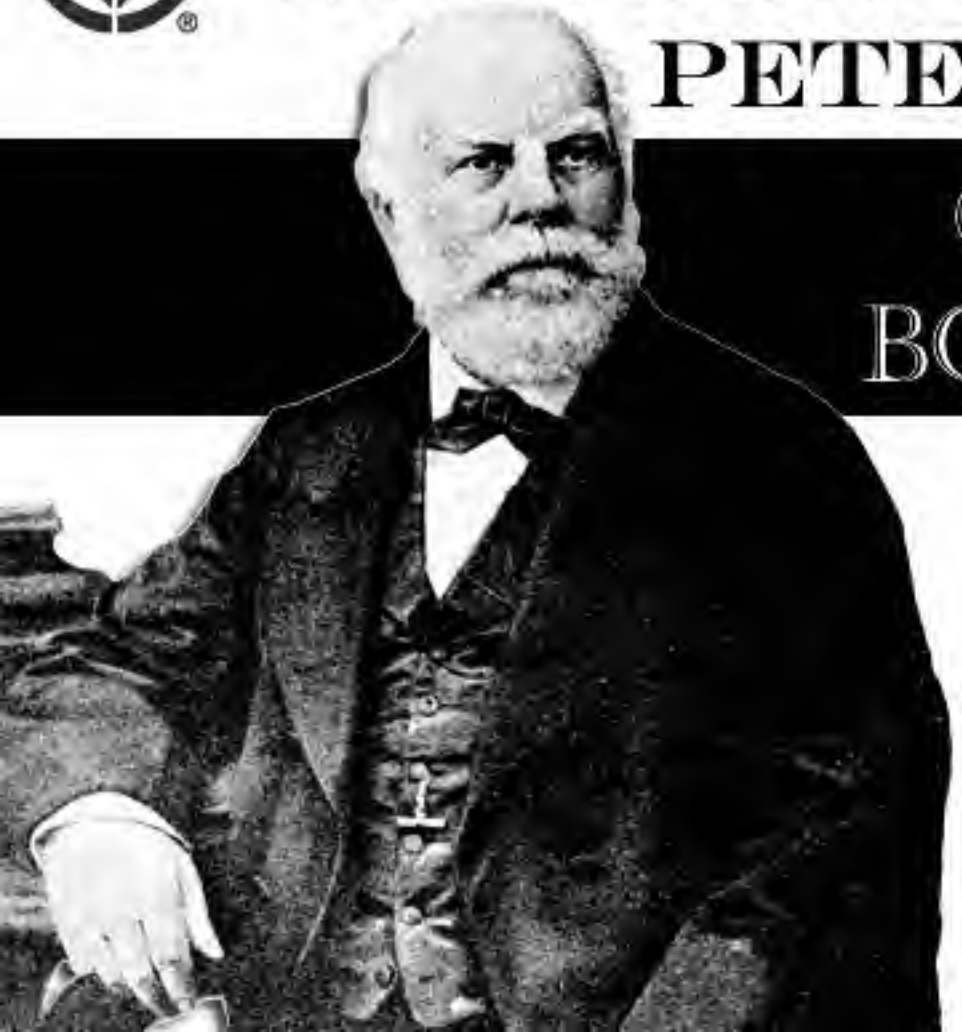
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59 1

Compositae Vernonieae

Pectis fastigiata Gr. a sp. A. Fourc. 62 note : var. ? Riparii Pectis Gr. A. Wr. 1. 82

P. filipes Hawks Gr. n sp. A. Fourc 62 note A. Wr. 2. 69

P. Coulteri Hans. & Gr. n sp. A. Fourc 62 note

P. multiseta Benth. A. Fourc 62 note

P. papposa Hans & Gr. n sp. A. Fourc. 62 note A. Wr. 2. 69

P. tenella DC. .6

Vernonia Lindheimeri Gray & Engl. Proc. Am Acc. 1. 46 A. Linth. 2. 217

Bolanosa Coulteri Gr. n. gen sp. A. Wright 1. 82 note

Pectis prostrata Cav. DC. Prod. 5. 100 Gr A. Wr. 1. 83

Pectis — sectoris ? — Gr A. Wr. 1. 83 note

P. longipes Gr. n. sp. A. Wr. 2. 69

P. imberbus Gr. n. sp. A. Wr. 2. 70

Vernonia Arkansana DC. fig in Sitgr. Rep. t. 2

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59.2

Compositae Eupatoriaceae 2

Stevia maella Gr. n.sp. A. Wr. I. 70 = St. micrantha Leg. fide Bot Bound. 73. NM

St canescens HBK? Benth. & Hook. Gr. & Wr 2.71. NM

Carminatia tenuiflora DC. Prod. 7. 267 Gr. & Wr. 2.71 NM.

Brickellia betonicaefolia A Gr. n.sp. A. Wr. 2. 72 NM

B. Wrightii Gr. n.sp. A. Wr. 2. 72 NM

B. tenera Gr. n.sp. A. Wr. 2.72 Ariz

B. floribunda Gr. n.sp. A. Wr. 2.73 Ariz

B. simplex Gr. n.sp. A. Wr. 2.73 Ariz

Eupatorium Berlandieri ~~DC. Prod 5. 167~~ Bot. Bound. 76 (Lagerstifol. var? herbacea Gr. & Wr var? Texana A. Gr. 2. 74 NM

E. Schiedeanum Schrad var Bot Bound 76 (E. Sonorae Gr. n.sp. A. Wr. 2. 74

~~Hofmeisteria~~ Urb Rep. VI. 106. (Heleogyne Benth. Bot Sulph.)

H. pluriseta Gr n. sp. A. Whipp. 96 t. 9

Brickellia Californica Torr & Gr. Gr. & Wr. I. 64 A. Whipp. 96

Isocarpha oppositifolia A DC Prod V. 107 Bot Bound 73

Stevia Berlandieri Gray n. sp. Bot Bound. 73 note (Gray 224)

St salicifolia Cav. Bot Bound 73

Carphephorus fasciculatus Benth. Sulph. 21 Bot Bound. 74

Pseudocephalus Lehottii Gray n. gen sp. Bot Bound 74 Bot Ives. 16.

Eupatorium Perryi Gr. n sp. Bot Bound 75

E. Bigelovii Gr. n sp. Bot Bound 75.

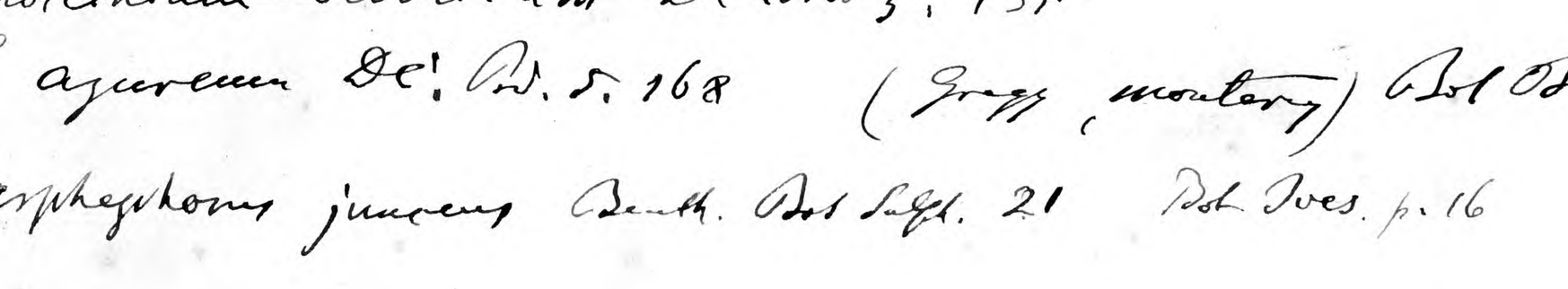
E. spilanthifolium Gr. Bot Bound 75 note (Balbisiifolia DC. Prod 5. 179

E conyzoides Vahl Symb. — Bot Bound 76

~~Conoclinium betonicum DC. Prod 5. 155~~

E azureum DC. Prod. 5. 168 (Gray, monterey) Bot Bound. 76 note

Carphephorus fasciculatus Benth. Bot Sulph. 21 Bot Ives. p. 16



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Eq. 2

Compositae Eupatoriaceae

Clavigera brachyphylla Gr. sp. nov. A. Fendl 63.

C. spinulosa Gr. sp. nov. A. Fendl 63 note.

Brickellia Fendleri Gr. sp. nov. A. Fendl. 63

B. Wrightii Gr. sp. nov. A. Fendl 64 note A.Wr. 2.71 Chi. Ariz.

Stevia trichopoda Hem & Gr. sp nov. A. Fendl. 64 note = St. podocephala DC. Gr. A.Wr. 1.89

Carphochaete Wrightii Gr. n. gen. sp A. Fendl. 65 note A.Wright 1.89

Eupatorium hedenefolium Gr. n. sp. A. Fendl 65 note

Trichocoronis Wrightii n. gen Gr. A. Fendl. 65 note

T. Greggii Gr. n. sp. A. Wright. 1. 89 note.

T. Nivulani Gr. n. sp. A. Fendl. 66 note. A. Wr. 1. 88.

Liatris acidota Eagle & Gray. = L. mucronata Torr & Gr Flor non DeC — A. Lesk 1. 10
var f. L. mucronata DC. see A. Wr. 1. 83 Gl. Mary. 274 t. 8

Liatris mucronata DC. vera A. Lesk. 1. 10.

Kuhnia eupatorioides L. gracilima A. Lesk. 2. 218

Brickellia cylindracea Gr. n sp. A. Lesk. 2. 218 A. Wr. 1. 86

Kuhnia Maximiliani Sinsig :: Nees Nov. Act. p. 11

Bulbostylis (Bathystetus) annua Nutt. N. Gamb. 179 = gen Bathystetus nov Sereno Gr. A. Wr. 2. 100

Brickellia Riddellii Gr. A. Wr. 1. 83 (Clavigera dentata DC. Prod. 5. 128
& C. Riddellii Torr & Gr.

Clavigera, only a section of Brickellia — arrangement of species Gr. A. Wr. 1. 84

Liatris, Bentolani's species referred Gr. A. Wr. 1. 83 not

Brickellia parvula Gr n sp A. Wr. 1. 84 Dispos. of sp. of Brickellii A. Wr. 1. 84
B oligantha Gr. ½ A. Wr. 1. 84 2. 71 and many new sp. for Mexico etc
B. uniformis Gr n sp A. Wr. 1. 86

B. baccharidea Gr n sp. A. Wr. 1. 87.

B. laciniata Gr. n. sp. A. Wr. 1. 87. Bot Bound. 74

Eupatorium Wrightii Gr. n. sp. A. Wr. 1. 87.

E. solidagini folium Gr. n. sp. A. Wr. 1. 87 — 2. 74

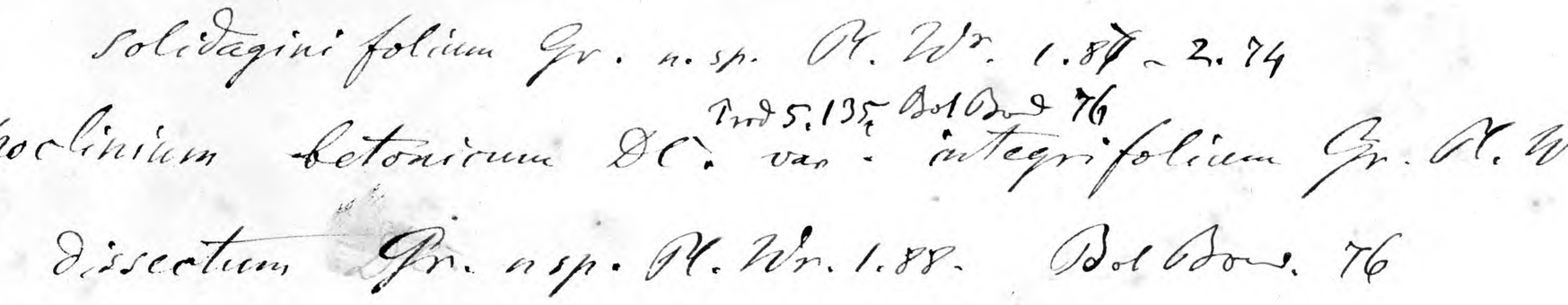
Conoclinium betonicum DC. Prod 5. 135 Bot Bound 76 var. integrifolium Gr. A. Wr. 1. 88

C. dissectum Gr. n sp. A. Wr. 1. 88. Bot Bound. 76

Eupatorium sagittatum Gr. n. sp. A. Wr. 1. 88 note

Carphochaete Grahami Gr. n. sp. A. Wr. 1. 89. note

C. Bigelovii Gr. n. sp. A. Wr. 1. 89 note. 2. 71

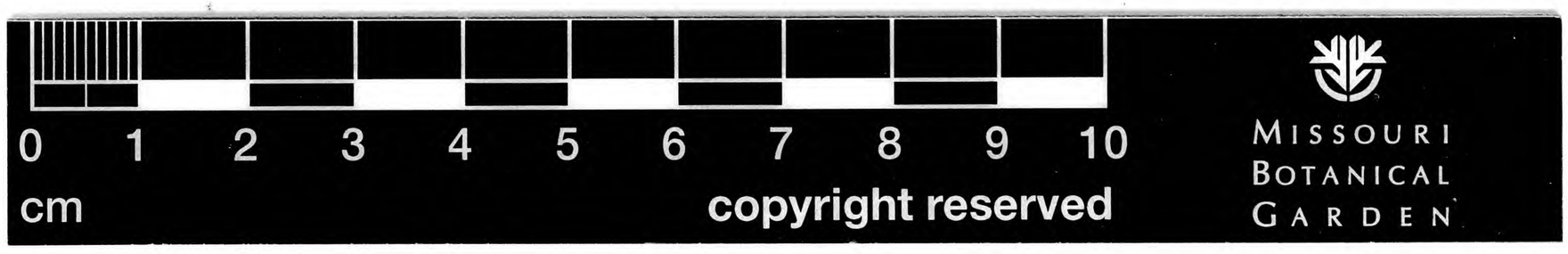


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59.3

Compositae Asteroideae heterochromae 2

Aster Sonorae Gr. n. sp. A. Wh. 2. 76

A. Elepharophyllus Gr. n sp. A. Wh. 2. 77

Erigeron delphinifolium Willd. Gr. A. Wh. 2. 77

E. eriophyllum Gr. n. sp. A. Wh. 2. 77

Aster Bigelovii Gr. n sp. A. Whipp. 97 t. 10

Erigeron stenophyllum Gr. n. sp. A. Whipp. 98

Corethrogyne retusa Bot. Harlw. 316. also Greg Bot Bound 76

Senecio aronopus Californicus Decn. n. sp. A. Patten 90

Erigeron subdecurrens Greg Bot Bound. 78 Compare Gr. A. Teal. 78 A. Wh. 1. 102

E Bigelovii Gr n. sp. Bot Bound 78

Boltonia latisquama Greg n sp. A. Parry, Sill Journ. 33 p. 238 (1862)

Erigeron grandiflorum Hook. var elatior Greg A. Parry. p. 237

E. compositum Pursh var discoideum. Greg A. Parry p. 237

Eglotes californicus Kellogg n sp Proc Ac Philad. 1. 57.

Machaeranthera Shastensis Gr. n. sp. Proc Am Ac. 6. 539

Aster Bloomeri Gr. n sp. Proc Am Ac. 6. 539

Erigeron Andersonii Gr. n sp. 16. 540

E. Bloomeri Gr n sp. 16. 540

E. Breweri Gr. n. sp. 16. 541

Townsendia latifolia Greg Bot Cors 16 (Aplopapp tort. Greg = Journ Bot Soc. 1845 V. 109

Monoptilon bellidiformis Torr & Gr. n. gen. sp. Bost. Journ Nat Hist. V. 106 c. ic. (1845)

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59. 3

Compositae Asteroideae heterochromae I.

Aster Fendleri Gr ap. nov. N. Fendl. 66. = A. Alleghaniensis Torr & Gr. var. N. Wright 2.76
Erigeron Alleghaniense Nutt in Trans Am. Phil Soc 7. 307. N. Wright 97
N Hall 64 note

E. canum Gr. n.sp. N. Fendl. 67

E. cinereum Gr n sp N. Fendl. 68 = E. divergens Torr & Gr. var N. Wright 1.91

E. flagellare Gr n.sp. N. Fendl. 68 = E. divergens Torr & Gr. var N. Wright 1.91

E. modestum Gr. N. Fendl. 68 note = N. Wr. 1.90

Diplopappus ericoides Torr & Gr. N. 2. 182 N. Fendl. 69.

Townsendia sericea Hook. var N. Fendl. 69

T. Fendleri Gray n sp. N. Fendl 70.

T. eximia Gr. n sp. N. Fendl. 70.

T. Mexicana Gr. n sp. N. Fendl. 70 note

Eqleter humilis Torr & Gr. N. — N. Fendl. 71. Aphanostephus humilis Gray. N. Wr 1.93

E. ramosissima (Aphanostephus DC.) DC. Fendl. 71 note. N. Wr. 1.93. Marcy Rep. 276 t. 9

E. Arkansana Nutt in Trans. & N. Sch. I. 14 Aphanostph Ark Gr. N. Wr 1.93

Psilactis asteroides a gen Gray N. Fendl. 71 note N. Wr. 1.91

P. Coulteri Gr n.sp. N. Fendl 72 note

Achaetogeron Wrightii n. gen Gray N. Fendl 72 note

Diplostelma bellioides n. gen. Gr. DC. Fendl. 72 note = Osteospermum modestum DC. Cand 5. 479
N. Wright 1.91

Dichaetophora campestris Gr. n. gen (= Lindheimera texana Raf.) Fendl 73 note ? Torr & Gr. 2. 190

Dieteria asteroides Torr n sp. Emory Rep. 141 = Machaeranthera canescens var latifolia Gr. N. Wr. 2.75

Aster Menziesii Torr & Gr. β. dentatus Torr. Emory Rep. 142

Keerlia bellidiflora Gray & Lagasca n sp Bot Am Acad. 1.47 N. Linth. 2. 220 N. Wr. 1.92

K. effusa Gray n sp. N. Linth. 2. 222 N. Wr. 2.93.

Eremiastrum bellioides Torr & Gr. n. gen. sp. N. Mem. 321 Torr. Bot Williamson PR 5.361 t. 6

Machaeranthera (= Dieteria) canescens var glabra Gr N. Wr. 1.89 var. N. Wr. 2.74

M. tanacetifolia Nees (= Dieteria corymbosa Nutt) Gr N. Wr. 1.90

M. parviflora Gr n.sp. N. Wr. 1.90

Bellis Mexicana Gr n sp. N. Wr. 1.93 note.

Aster ? Wrightii Gr. n sp. N. Wr. 2.75

Townsendia — Gr. Bot Mound 78 see Bot Proc. 16.

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59.4

Compositae Asteroideae homokromae 4

Linosyris dentatus Kellogg n sp. Proc Ac Cal 2.16

A. Howardi Porsi ms Gr. in Proc Am Acad. 6. 541
& S. Nevadensis.

Aplopappus Bloomeri Gr. n. sp. Proc Acad. Ac. 6. 541

A. suffruticosus Gr. (Macronema Nutt) 6. 542

Chrysopsis Breweri Gr n sp. 16. 542

Ch. Bolanderi Gr n sp. 16. 543

Solidago Guiradonis Gr n sp. 16. 543

Aplopappus tortifolius Torr & Gray in Journ Bost Soc Nat Hist 1845 V. 109. ex a Townsendia tortifolia Gray in Bot Ives. p. 16.

Amphipappus Fremontii Torr & Gr. n. gen sp. Bost Journ Nat Hist. V. 108 (1845)

Aplopappus armerioides Gray Bot Ives p. 16. (Stenotus Nutt in Torr & Gr. Fl.

Chrysopsis villosa var Ch. echioides Dent Bot Sulph Gray Bot Ives 16

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Compositae Asteroideae homochromeae etc 3

Benitzia Fitchii Torr. n. sp. A. Whipp. 100

Baccharis sergiloides Gr. n. sp. A. Whipp. 101

Stylocline gnaphaloides Nutt var Brigeloui Gray A. Whipp. 101 T. 13

Coax canescens Gr. A. Whipp. 101 Psilocarphus canesc. Beth. Hooks. 319

Lessingia belongs here rather than to Senecioneae see Gray + Beth. A. Hooks. 315
c. Speireby

Chrysopsis echioides Beth. Hooks. 315 var? Hooks. 316

Psilocarphus canescens Beth. Hooks 319

Linosyris ceruminosa Durr & Hlg. N. Heerm. P. R. V. 9 T. 6

L. Sertifolia Durr & Hlg. N. Heerm. P. R. V. 9 T. 7

Grindelia discoidea Nutt.... Gray + A. Stevens P R 12 p 52

Linosyris arborescens Gr. n. sp. Bot Bound 79

L. viscidiflora Hook & Arn. var paniculata Gr Bot Bound. 80

L. Mexicana Schlecht. — Gr Bot Bound. 80 (Aplopappus Mexicanus DC.)

Grindelia inuloides var microcephala. Gr. Bot Bound 81 (G. microceph Gr

Laphamia cinerea Gr n sp. Bot Bound. 82

Baccharis ice Bot Bound. 83.

B. Lucasi Gr n. sp. Bot Bound 83

B. sergiloides Gr. sp. Bot Bound. 83

B. Brigeloui Gr. n. sp. Bot Bound 84

Solidago humilis S. Torr & Gr. to be restored to S. Virgaurea, Gray A. Pacy 238

Aplopappus pygmaeus Gray A. Pacy. 240 (Stenotus pyg. Torr & Gr Fl.

A. Parryi Gray n. sp. A. Pacy 240

A. Lyallii Gray n. sp. A. Hall 64 note

A. crocetus Gray n. sp. A. Hall. 65 note

Linosyris Parryi Gray n. sp. A. Hall 66 note.

Baccharis viminea DC Prod. 5. 409 Calif. mistaken for B.

B. Douglasii + A. Whipp.

Aplopappus Nevadensis Kellogg Proc Calif Ac. 3. p 9 (1863) c. ic.

Conyza salicina Kellogg n sp Proc Calif Ac. 3 p. 36 (1863) c. ic.

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59.4

Compositae Asteroideae homochromae et 2

Grindelia, revision of some species cf. synonyms Gray A. Whipl 1.98.99.

Laphamia argen. Gr. A. Wr. 1.99. repestris a.sp. Gr. A. Wr. 1.100 t.9

L. linifolia Gr. a.sp. A. Wr. 1.100 t.9

L. angustifolia Gr. a.sp. A. Wr. 1.100 var. Bot Bound. 82

L. Lindheimeri Gr. a.sp. A. Wr. 1.101

L. Staubarii Gr. a. sp. A. Wr. 1.101 Monothrix Staubariana Torr A. Stanb.

L. diserta Torr. a.sp. A. Wr. 2.81 note

Bachanis Wrightii Gr. A.sp. A. Wr. 1.101. 2.83.84

Conyza subdecurrens DC. Prod. V. 379 A. Fendl. 78 A. Wr. 1.102
is an Erigeron, Gray Bot Bibl 78

Euphrosyne ambrosiaefolia Gr. n.sp. A. Wr. 1.102. 2.85

Gutierrezia Wrightii Gr. n.sp. A. Wr. 2.78

G. ? gymnospermoides Gr. n.sp. A. Wr. 2.79.

~~G. sphaerocephala Gr. n.sp. A. Fendl. 23 A. Wr. 2.79~~

Linosyris carnosa Gr. n.sp. A. Wr 2.80

L. ramulosa Gr. A. Wr. 1.98. 2.80 (Aplopappus DC)

Aplopappus laricifolius Gr. n.sp. A. Wr. 2.80

Perityle cuneata Gr. n.gen.sp. A. Wr. 2.82

Perityle coronopifolia Gr. n.sp. A. Wr. 2.82

Bachanis brachyphylla Gr. n.sp. A. Wr. 2.83 Sitgr. Rep. 162

B. platyrrhopalis DC. Prod. 5. 419 A. Wr. 2.83

Stylocline micropodioides Gr. n.sp. A. Wr. 2.84

~~Parthenice mollis Gr. n.gen.sp. A. Wr. 2.85~~

Laphamia bisetosa Torr a.sp. A. Wr. 2. 106

Perityle Parryi Gr. n.sp. A. Wr. 2. 106

P. aglossa Gr. n.sp. A. Wr. 2. 107

Calycoseris parryi Torr & Gr. Pac. Bot Pope PR 2. t. 2

Pelegonopsis multiradiata Torr & Gr. A. Bot Pope PR 2. t. 3 Bot Bound. 84

Linosyris Bigelovii Gr. n.sp. A. Whipp 98 t. 12

Aphanotheca exilis Gr n.gen.sp. A. Whipp. 99 t. 11

Perityle nuda Torr. A. Whipp. 100 Bot Bound 82 Bot Ives. 16.

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Compositae Astereae homochromae etc.

Gutierrezia spheerocephala Gr. sp. nov. N. Amer. 73 Ic. Ic. 2. 79

Bacharis Texana Gr. sp. nov. N. Amer. 75 note.

Texasia borealis Torr & Gr. ined. N. Amer. 75 note = Polypappus tenuifolius Nutt. N. Gen. 178. Ic. Ic. 1. 102 Sitgr. Rep. 162 t. 5

Aplopappus gracilis Gr. N. Amer. 76 Dietem g. Nutt N. Gen. 177

A. aureus Gr. n. sp. N. Amer. 76 note.

A. sphaerocephalus Harv. & Gr. ined. N. Amer. 76 note. N. Pacific PR. 7. 12 t. 6

Peritile Arnella Harv & Gr. N. Amer. 77 note

P. leptoglossa Harv & Gr. N. Amer. 77 note

P. plumigera Harv. & Gr. N. Amer. 77 note

P. Californica Arnott. Walph. 23 & 119. t. 15.

P. Lemmonii Torr a sp. Lemmon Rep. 142 Bot Bound. 82

Linosyris tenuifolia Torr a sp Stans. Rep. 389. = L. viscidiflora var. fide Gr. Ic. Ic. 11. 80

Monoptilon Stansburiana Torr. n. gen sp. Stans. Rep. 390 t. 7. = Laphamia Gr. in Bot

Amphipappus Fremontii Torr & Gr. n gen sp. N. Amer. (1853) X p. 17. t. 9

~~Senecio rentophyllus Nees a. sp. N. Amer. 12.~~

Amphothamnus depressus n. sp Nutt N. Gen. 171

Macropus heterophyllus Nutt a. sp. N. Gen. 178

Bacharis ramulosa Gray N. Therb. 301 note (Aplopappus ramulosus DC, Linosyris ramulosa Gray N. Wright. 2. 80. Bot Bound. 84

Gutierrezia microcephala Gray N. Amer. 74 not (Bacharis DC) Ic. Ic. 1. 94

G. Ericoarpa Gr. n. sp. Ic. Ic. 1. 94

Solidago mollis Bartl. (S. incana Torr & Gr. Fl.). Ic. Ic. 1. 94 note

form of S. nemoralis fide Gr. Bot Bound. 79.

Linosyris heterophylla Gr. n. sp. Ic. Ic. 1. 95

L. Wrightii Gr. n. sp. Ic. Ic. 1. 95.

L. hirtella Gr. n. sp. Ic. Ic. 1. 95

L. pulchella Gr. n. sp. Ic. Ic. 1. 96 Sitgr. Rep. 161 t. 4 Ic. Ic. 99

L. coronopifolia Gr. n. sp. Ic. Ic. 1. 96

L. Greggii Gr. Ic. Ic. 1. 97 Aplopappus Torr & Gr.

Aplopappus Blepharophyllus Gr. n. sp Ic. Ic. 1. 97

Xanthisma Texanum DC. Prod. 5. 94 (Centauridium Torr & Gr. Fl. 2. 246) Gr. Ic. Ic. 1. 98
Bot Bound 80 Marcy Rep. tab 10.

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59.5

Compositae Senecioneae Melampodineae

Hymenoclea Torr & Gr. n gen A. Fast. 79 note A. Fremont 1853. p. 14 t. 8.
Bot Bound 17
H. monogyra Torr & Gr. n sp. A. Fast 79 note A. Emory p. — A. Wr. 1. 104

Bahsenia tenuifolia Hans & Gray n. sp. A. Fast 80.

F. tomentosa Gray n sp. A. Fast. 80.

F. Dumosa Gray n sp. Trans. 2d Exp. 176.

Dicoria Torr & Gr. n. gen & n. sp. Emory Rep. 143. Bot Bound. 86 D. canescens Torr & Gr.

Lindheimera Texana Gray & Leyd. n. gen sp. Bot. Am Acad. 1. 47 A. Arth. 2. 225.

Bahsenia tenuifolia var trifoliata Gray A. Arth. 2. 227 A. Wr. 1. 104

Fr. deltoidea Torr n. sp. A. Fremont (1853) p. 15 Bot Bound 87

Fr. albicaulis Torr n. sp. A. Fremont 1853 p. 16 var of F. Dumosa Gray fide Bot Bound. 87

Oxytenia acerosa Nutt n. gen sp. A. Gamb. 172

Melampodium Longicorne Gr. n sp. A. Thurb. 321 Bot Bound 85

Bot Bound. 85
Diomorarpus parviflorus Gr. n. gen. A. Thurb. 322 note Heterospermum diomorarpus Gr. A. Wright 1. 109.

Parthenium incanum HBK. DC. (& P. ramosissimum DC.) Gr. A. Wr. 1. 103

Iva dealbata Gr. n. sp. A. Wr. 1. 104

Ambrosia psilostachya DC. Prod. V. 526. in Linh. 429. & 430 Schenk. A. Lindh. & A. glauca. Bot Bound. 87 (A. coronopifolia Torr & Gr.) A. Wr. 1. 104

Parthenice mollis Gr. n. gen. sp. A. Wr. 2. 85

Silphium laciniatum L. "Compass plant" remarks, Hayden Journ Acad Phil 12. p. 196

Melampodium hispidum HBK Gray A. Wright 2. 85

Parthenium argentatum Gr n sp Bot Bound. 86

Ambrosia dumosa tenuifolia Gr. n. sp. Bot Bound 87 note

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Compositae Senecioneae Helianthus 4

Helianthus exclis Gr n sp. Proc Am Ac. 6. 545

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59.6

Compositae Senecioneae Heliantheae 3

Verbesina podocephala Gr. n. sp. A. Gh. 2. 92

Wyethia scabra Hook. Lond Journ Bot. 6. 247 Gr. A. Whipp. 102

Balsamorhiza macrophyll. Nutt var Gr A. Whipp. 102

B. deltoidea Nutt var glabrescens Gr. A. Whipp. 103 B. glabrescens Bth Hook. 317

Helianthella Californica Gr. n. sp. A. Whipp. 103

Pugiopappus Bigelovii Gr. n. gen. sp. A. Whipp. 104 Proc Am Acad. 6. 545

Helianthus simplex Dienard A. Potter p. 91

Leptosyne Stillmanii Gray in Ives. A. Potter p. 91

Wyethia robusta Nutt Journ Ac. 2. 299 Nevad. PR. 6. 78

Lepachys Tagetes Gray Bot Whipp. 103. L. columnaris var Tagetes Gray. Amboletai Tagetes James A. Wright. 1. 106

Encelia conspersa Benth Sulph. 26 Bot Bound 88

E. nivea Benth Sulph. 26 Bot Bound 88 (E. famosa Gray Bot Mex Bdy. 143.

Silphia trifoliata Gr. n sp Bot Bound 89 Bot Ives 17

Viguiera laciniata Gr. n sp Bot Bound 89

Helianthus stephrodes Gr. n sp. Bot Bound 90

Coreopsis calliopsidea Gr Bot Bound 90 Agaristia C. DC Prod. 5. 569

Bidens Bigelovii Gr. n. sp. Bot Bound 91

Leptosyne Stillmanii Gr n sp Bot Bound 92 note

Helianthus pumilus Nutt ? Gray A. Parry 240

Helianthella Parryi Gray n sp. A. Hall. 65 note

Stemmodontia scaberrima Cass. with about name for Lipochaeta Texana Torr Gr

(Wittgenia Texana Schultz Bip.) Gray A. Brandeg. 184

Proc. Am Acad V. 1861 p 184

Melarhiza imuloides nov gen. sp. Kellogg Proced. Ac. Calif. 1. 38 (1855)

Bahiopsis lanata Kellogg n. gen sp. Proc Ac. Cal. 2. 35

Lipochaeta hastata Kellogg n. sp. Proc Ac. Cal 2. 106. n. ii.

Wyethia glabra Gr. n sp. Proc Am Ac. 6. 543

W. mollis Gr. n sp. ib. 544

Helianthus Bolanderi Gr. n sp. ib. 544

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Compositae Senecioniidae Heliantheae 2

Obelisiani Tagetes DC. Gr. N. Mx. 1. 106

Simsia lagascaeformis DC. Prod v. 577 Gr. N. Mx. 1. 107

Viguiera cordifolia Gr. n. sp. N. Mx. 1. 107. 2. 88

Simsia sanguinea Gr n. sp. N. Mx. 1. 107 note

Helianthus ciliaris DC Prod v. 587 Gr. N. Mx. 1. 108

Thelesperma filifolia Gray. Jour Bot — N. Mx. 1. 109 Cosmos & Gr. H.

Th. — longipes Gr. n. sp. N. Mx. 1. 109.

Bidens Bedelii Torr N. Mx. 1. 109 note

Heterospermum Tagetinum Gr. n. sp. N. Acad. 87. N. Mx. 1. 110

H. Dracunculifolium Gr. n. sp. N. Mx. 1. 109 is Dracunculifolium parviflorum Gr. A. Thurb. 322 Selerocarpus Melampodium

Oligogyne Jamesiana DC. Prod. v. 629 Gr. N. Mx. 1. 111

Electra ? Guardiola sp. Gray. N. Mx. 1. 110. note

Sanvitalia ciliata Gr. N. Mx. 1. 111 note

Zexmenia brevifolia Gr. n. sp. N. Mx. 1. 112

Z. Texana Gr. N. Mx. 1. 112 (Sparkacta Texana Torr & Gr. Mex.) Bot Acad 92
= Wedelia hispida HBK Bot Acad 92

Z. Greggii Gr. n. sp. N. Mx. 1. 113 note & other specimens Mex. 619.

Sanvitalia angustifolia Engl. n. sp. N. Mx. 1. 112 note.

Florensia cernua DC. Prod. v. 593. N. Mx. 1. 114

Heliopsis parvifolia Gr. n. sp. N. Mx. 2. 86

Simsia exaristata Gr. n. sp. N. Mx. 2. 87

S. scaposa Gr. n. sp. N. Mx. 2. 88

Actinomeris longifolia Gr. n. sp. N. Mx. 2. 89

Cosmos bipinnatus var parviflorus Gr. N. Mx. 2. 90 (= C. parviflorus DC. Pr. 5. 606

Bidens frondulaefolia DC. Prod V. 603 ? N. Mx. 2. 90

B. heterophylla Ort. DC. Pr. 5. 597 ? N. Mx. 2. 90

B. heterosperma Gr. n. sp. N. Mx. 2. 90

Guardiola notes, Gray N. Mx. 1. 111 note

G. platyphylla Gr. sp. nov. N. Mx. 2. 91

Ximenesia encelioides Cav. & var. Gr. N. Mx. 2. 92

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Compositae Senecionidae Helianthere 1

Zinnia pumila Gr. sp. nov. N. Fusk. 81 note

Balsamorhiza Careyana Gr. n sp. N. Fusk. 81 note

B. sagittata Nutt. N. Fusk. 82 note

B. ferebinthacea Hook N. Bor Am. 1. 310. N. Fusk. 82 note

Wyethia helenioides Gr. N. Fusk. 82 note (Madaria helenioides DC.) Hook N. Mex PR. 6.77 376

Helea Ludoviciana Torr & Gr. N. II.. N. Fusk. 83 note

H. Texana Gr. N. Fusk. 83 note. Tetragonotheca Texana E & Gr. in Proced. Am Acad. 1.48

Audibertia Porteri Gray n. sp. N. Fusk. 83 note

Helianthus laciniatus Gr. n. sp. N. Fusk. 84 note

Helianthus multiflorus Nutt. N. Gamb. 171. N. Fusk. 84 var Ohlh. 2. 87

H. tenuifolia Gr. n sp. N. Fusk. 84 note.

Simsia subamplexicaulis Gr n sp. N. Fusk. 84 note

S. runcinata (Geyer) Gr. N. Fusk. 85 note Bot Bound 89

Actinomeris Wrightii Gr sp. nov. N. Fusk. 85 note.

Tithonia decurrens Gr. sp. nov. N. Fusk. 85 note

Cosmidium gracile Torr & Gr. Ron. N. Fusk. H. Thelesperma gracile Gr. Bot Bound N. Mex. 1. 109 p. 90

C. simplicifolium Gr. n. sp. N. Fusk. 86 note Thelesp. subsimplicifolium. Gr. Bot Bound. p. 90

Lanoitalea Alberti Gr. sp. nov. N. Fusk. 87 N. Mex. 1. 111

Zinnia intermedia Engelm n sp. Bigl Mem. note 38 = J. tenuifolia Jacq. fide Gr. N. Mex. 1. 105

Wyethia ovata Torr & Gr n sp. Long Rep. 143

Zinnia grandiflora Nutt. — Long Rep. 144 t. 4

Helianthus praecox Engelm & Gray n sp. N. Linh I. 13. var A H. tenuifolius Torr & Gr Bot Bound 90.

Aldama amicorialis Gray N Linh. 2. 228 (Gymnopsis Hook — Torr & Gr. N)

Simsia calva Gr. N. Linh. 2. 228 Bamettia calva Gr & Eng. Proc Am Acad. 1. 40.

Viguiera breviseta DC. Prod 5. 578. N. Linh. 2. 228 var of the next Gr. N. Mex. 1. 108

— — var ib. (V. Texana Torr & Gr. N. 2. 318) Vilaxa DC. Prod. V. 580 Gr. N. Mex. 1. 108

~~Helia~~ Zinnia dispersa of species Gr. N. Mex. 1. 105 note.

Zinnia acerosa Gr. (Diplothrix DC.) N. Mex. 1. 106

Z. anomala Gr. n. sp. N. Mex. 1. 106.

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Compositæ Senecionideæ Tagetineæ !

~~Heterospermum tagetinum Gr. sp. nov. N. Fund. 87. N. Wr. 1. 116~~

Flaveria angustifolia Pers DC. Prod V. 635. N. Fund. 88

H. longifolia Gr. n. sp. N. Fund. 88 not (Gymnosperm oppositifolia DC. Prod) N. Wr. 1. 94

H. chlorefolia Gr. n sp. N. Fund 88 note.

Hymenatherum tagetoides Gr. N. Fund. 88 note (Dysodia tenuifolia Gr. Fl. 2. 361)

H. Wrightii Gr. sp. nov. N. Fund. 89 note.

H. Berlandieri DC. Prod. V. 642 Gr. N. Fund. 90 note

H. pentachaetium DC. ib. Gray ibid. (Non H. tenuilobum DC) N. Wr. 1. 117

H. graphalodes Gr. n. sp. N. Fund. 90 note. H. Graphalopsis Gr. N. Fund. 105 note
= Graphalopsis micropodioides DC. Prod 7. 258.

Actiphyllaea acerosa Gr. N. Fund. 91 note. Dysodia acerosa DC. Prod. Hymenatherum acerosum Gr. N. Wright 1. 115.

Thymophylla setifolia Lag. Gr. N. Fund. 91 note

Lowellia aurea novogen Gray N. Fund. 89. N. Wr. 1. 118

Tagetes lucida n. sp. Gr. N. Fund. 92 note

Chrysactinia Mexicana Gr. novogen N. Fund. 93 note N. Wr. 1. 119

Riddellia Watt. Tor. & Gr. Ilon. Gr. in N. Fund. 94 Note. Nitrebia Helenioides

N. tagetina Watt ex N. Fund. 94 note N. Lang t. 5

N. arachnoidea Gr. sp. nov. 94 note (Psilostrophe graphaloides DC.) N. Wr. 1. 121

Nicolletia occidentalis Gr. n. gen. sp. Fren. 2d Ed. p. 315. N. Wr. 1. 119

Dysodia porophylloides Gr. n. sp. N. Thurb. 322.

~~Dicanocarpus parviflorus Gr. n. gen. N. Thurb. 322. Helenosperma~~ Dicanocarpus, ~~Melampodium~~ n. sp. Gr. N. Wr. 1. 109

~~Artogoyne Jaliscana DC. Prod. V. 629 Gr. N. Wr. 1. 111~~

Flaveria Contrayerba Pers DC. Prod. V. 635.

Hymenatherum Cav Disposition of Species see Gr. N. Wr. 1. 115

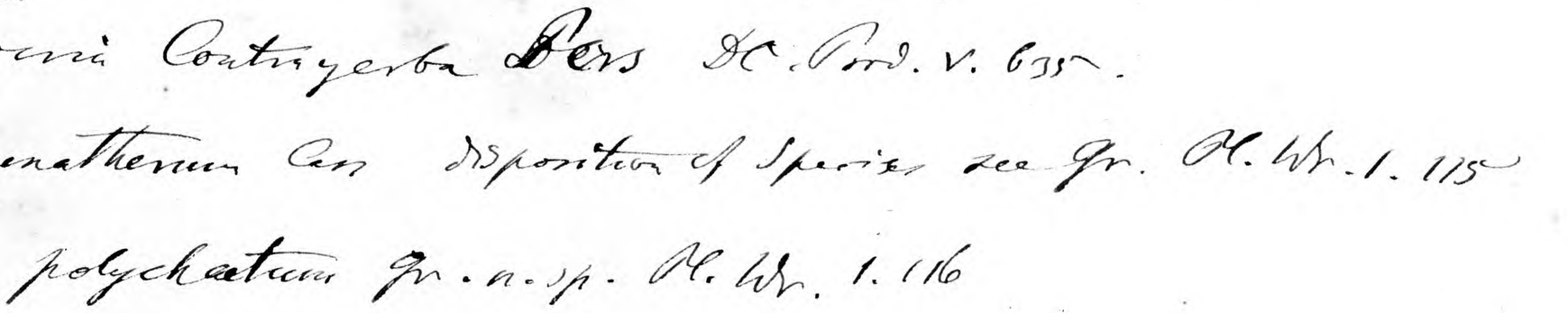
H. polycheatum Gr. n. sp. N. Wr. 1. 116

H. Hartwegii Gr. N. Wr. 1. 117

H. tenuifolium Cav Gr. N. Wr. 1. 118. 2. 93

Thymophylla Greggii Gray n. sp. N. Fund. 92 note

var. radiata Gr. N. Wright. 1. 119 t. 7



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Compositae Senecioneae Tagetinae 2

Porophyllum scopanium a.sp. Gr. A.Gr. 1.119

P. amplexicaule a.sp. Engl A.Gr. 1.120 note.

P. greggii Gr. a.sp. A.Gr. 1.120

Villolletia Edwardsii Gr. a.sp. A.Gr. 1.119 t. 8.

Adenophyllum Wrightii Gr a sp. A. Gr. 2.92

Tagetes micrantha Cav. DC. Prod. 5.646. A.Gr. 2.93

Bosphyllum microcephalum DC. Prod. 5.628 A.Gr. 2.93

Lebetina ramellata Cass DC Prod. 5.639

Clappia suaedaefolia Gr n.gen sp. Bot Bound. 93 note.



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Compositae Senecionidae Alcinae 3

Burrielia dimysostoma Torr & Gr H. 2. 379 Bot Bound 97

B. platycarpha Gr a sp. Bot Bound 97

B. anthemoides Gr. Actonii anth Natt. Trans Am Phil. 7. 382.

Hymenoxys calva Torr & Gr H. 2. 381

Trichoptilium incisum Gray — Torr P.R.R. 361 t. 5. Bot Bound. 97

Baileya incisa Gr Pl. Thurb. 322

Hemizonia racemosissima Benth Bot Sulph. 30. Bot Bound 100

H. virgata Gray var sp. Bot Bound. 100 note

Calycadenia Fremontii Gr. n sp. Bot Bound. 100 note

C. pauciflora Gr. n. sp. Bot Bound. 100 note.

Harpecarpus exiguus Gr. (Sclerocarpus Scheele) Bot Bound. 101

Corethrogyne racemosa Less DC. Prod. 6. 42 Bot Bound 101

Actinella grandiflora Torr & Gr in Bost Journ Nat Hist. 5. 109 (1845) Gr Pl. Parry 241

Hemizonia balsamifera Kellogg Proc Ac. Cal. 2. 64. c. ic.

H. lugulaefolia var fragarioides Kellogg. ib. 1. 69. c. ic.

Chaenactis Xantiana Gr n sp Proc Am Ac. 6. 545

Ch. tanacetifolia Gr n sp ib. 545

Actinolepis multiradiata var papposa Gr. ib. 546

Achyropappus Woodhousei Gr n sp. ib. 546

Burrielia leptalea Gr n sp ib. 546

Lasthenia (Monolopia) ambigua Gr. n sp. ib. 547

Malacothrix algida Gr. n sp. ib. 547

M. vestita Gr n sp ib. 547

Rigiopappus leptocladus Gr n. gen sp. Proc Am Ac. 6. 548 (1865)

Hemizonia minima Gr n. sp. ib. 6. 548

H pauciflora Gr n sp. ib. 549

H. Durandi Gr n sp ib. 549

Whitneya dealbata Gr n. gen sp. Proc Am Ac. 6. 549 (1865)
an Senecionid?

Calliachyris Fremontii Torr & Gr n gen sp. Bost Journ Nat Hist V. 110 (1845)

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Compositae Senecionideae Helenieae 2

Sartwellia flaveriae n. gen. sp. Gr. & W. Wright 1. 122

Bahia pedata Gr. n. sp. A. Wr. 1. 123.

Schkuhnia Hopkirkia Gr. A. Wr. 2. 94 (Hopkirkia authemidea DC. Prod. 5. 660)

S. Wrightii Gr. sp. nov. P.G. Wr. 2. 95

Bahia biternata Gr. n. sp. P.G. Wr. 2. 95

Villanova chrysanthemoides Gr. A. Wr. 2. 96 (Amauria? dissecta Gr. A. Jam. 104) A. Whipp. 106

Actinella Bigelovii Gr. n. sp. A. Wr. 2. 96 note

Hymenothrix Wrightii Gr. n. sp. A. Wr. 2. 97 Fitzgr. Rep. 164. t. 6.

Galinsoga parviflora Cav. var. A. Wr. 2. 98.

Layia Neo-Mexicana Gr. n. sp. A. Wr. 2. 98 note

Chaenactis glabriuscula DC. var Gr. A. Whipp. 104

Bahia Wallacei Gr. n. sp. A. Whipp. 105

Syntrichopappus Fremontii Gr. n. gen. sp. A. Whipp. 105. t. 15

Burrielia lanosa Gr. n. sp. A. Whipp. 107 Bot Bound. 96

——— gracilis DC. Pr. 5. 664. Bot Bound. 97

Helenium Bigelovii Gr. n. sp. A. Whipp. 107

Actinella leptoclada Gr. n. sp. A. Whipp. 107

A. scaposa Hartw. var glabra (A. glabra Hartw.) Gr. A. Whipp. 108

Layia pentachaeta Gr. n. sp. A. Whipp. 108 t. 16

Lagophylla dichotoma Benth. Hartw. 317 A. Whipp. 108 Bot Bound. 101

L. filipes Gray. A. Whipp. 109 — Bot Bound. 101

Hemizonia Fitchii Gr. n. sp. A. Whipp. 109

Monolopia rather here than with Centromadrea (A. Whipp. 106)

Hemizonia Augustifolia DC. Tow. Gr. A. 2. 398 Benth Hartw. 318

Monolopia bahiaefolia Benth A. Hartw. 317

Monolopia Hecmanii Greene n. sp. A. Bot. 93

Hulsea nana Torr. Gray n. gen spec. A. Nasbery PR. 6. 76 t. 13

H. Californica Tow. Gr. ibid. p. 77 Bot Bound. 98

Palafoxia linearis Lag. DC. Prod. 5. 125 Bot Bound. 94

Chaenactis carphoclinia Gr. n. sp. Bot Bound 94

Bahia rubella Gr. n. sp. Bot Bound 95

——— Bigelovii Gr. n. sp. Bot Bound 96

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59.b

Compositae Senecioneae Helenieae 1

Palafoxia Lag. - A. Fendl. 95 note

Schkuhnia - Nov Mexicana Gr. n.sp. - A. Fendl. 96 Amblyopappus A.M. Gr. A. Sh. Fl. p. 106

Schk Wrightii Gr. n sp. A. Fendl. 96 note

Hymenopappus flavescens Gr n sp. A. Fendl. 97. A. Wr. 2. 94
Later nott - A. Fendl. 97 Bot Bound. 94

Chaenactis filifolia Hanv. & Gr. A. Fendl. 98 note var of Ch. glabriuscula DC Gr in A. Whipp. 104

Ch. heterocarpha Torr & Gr. A. Fendl 98 note

Acarphaca artemisiaefolia Hanv. & Gr. n. gen. A. Fendl. 98 note Bot Bound. 95. t. 32

Bahia dealbata Gr n sp. A. Fendl. 99 note = B. absinthifolia Dietr var. Gr. A. Wright 1. 121

B. oppositifolia DC. Prod. - A. Fendl 99. Sitgr. Rep. 163 t. 3

B. arachnoidea Fisch & Lall. A. Fendl. 100 note A. Whipp. 105

Actinella depressa. Torr & Gr. sp. nov. A. Fendl. 100 note

A argentea Gr. n.sp. A. Fendl. 100.

Hymenothrix Wrightii Gr. nov gen. A. Fendl 102 note. A. Wr. 2. 97

Dichaeta Fremontii Torr. A. Fendl. 102 note = Baeriella Fr. Gr. Bot Bound. 97 note

Layia Hook & Arn. revised & new sp. by Gray A. Fendl. 103 note A. Whipp 108
also Bot. Bound 99

Chaenactis achilleaefolia Hook & Arn. Torr & Gr. Hon. Stansb. Rep. 390 t. 6

——— stevioides Hook & Arn. Gr. A. Wr. 2. 94

Agassizia suavis Gray & Engl n. gen. spec. Proc Am Acad. 1. 50 A. Whipp 2. 229.

Helenium polemifolium DC. Mett Ph Gamb. 173

Philoneis coronaria Nutt Philoneis is section of Baeriella fide Gray Bot Bound. 97 note.

H. Californica Nutt A. Gamb. 174 (Hymenoxys Californica Hook

H. tenella Nutt n. sp. A. Gamb. 173

H. affinis Nutt n sp A. Gamb. 174

Henizonia decumbens Nutt n. sp. A. Gamb. 175

H. macrocephala Nutt n sp A. Gamb. 175

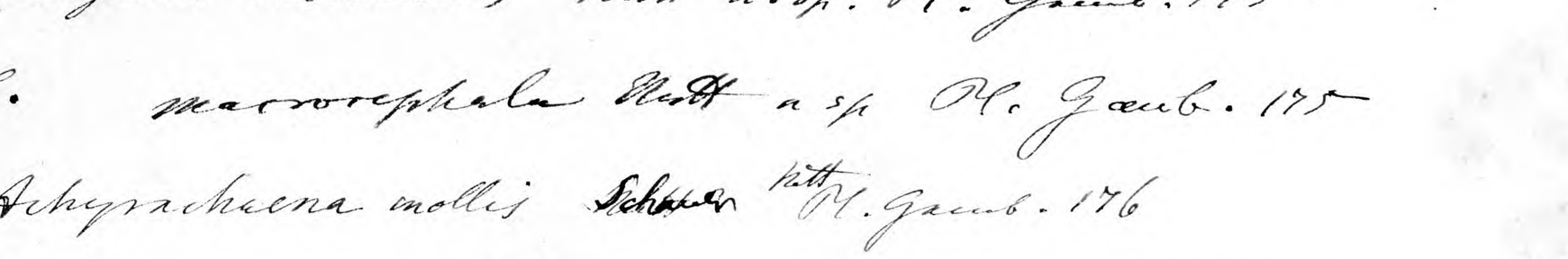
Achyrachaena mollis Schauer Nutt A. Gamb. 176

Tridax bicolor Gray n. sp A. Fendl 104 note A. Thumb. 305 note

Florestina tripteris DC. var. Gr. A. Wr. 1. 121 2. 94

Riddellia belongs here Gr. A. Wr. 1. 121. see away Tagetineae.

Actinella adscita Gr. A. Fendl. 101 note A. Wr. 1. 122 note ab Actinella sect Hymenoxys



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Compositae Senecioneae Anthemideae

Artemisia ? dissecta Gr. n sp. N. Fmx. 104 = Villanova chrysanthemoides Gr. A. Wright 2. 96. (Mexicana)

Baileya Hans & Gr. nov. gen. N. Fmx. 105 not Torr Ag. 143

B. paucoradiata H. & Gr. n. sp. N. Fmx. 105 not

B. pleniradiata H. & Gr. n. sp. ibid

B. multiradiata H & Gr. = Torr Rep. 144, t. 6. N. Fmx. 106 not.

Varilla Mexicana Gr. nov gen spec. N. Fmx. 106 not.

Monolopia lanceolata Nutt n. sp. N. Jacob. 175 N. Whipp. 106
monolopia is here placed with Helenieae

Varilla Texana n. sp. Gr. N. Wr. 1. 123

Artemisia filifolia Torr = Torr & Gr. Flor. 2. 417 Torr Rep. Pacific 274 t. 12

~~Chaenactis glabriuscula DC var. Gr. N. Whipp. 104~~

~~Bahia Wallacei Gr. n. sp. N. Whipp. 105~~

~~Syntrichopappus~~ Hemizonia ~~Gr. n. gen. sp. N. Wh. Ives. 106 t. 15~~

Cotula coronopifolia Linn Calcutta ! N. Whipp. 110

Artemisia Bigelovii Gr. n. sp. N. Whipp. 110

Monolopia bahiaefolia Benth. Hartw. 317.

M. Hartmanii Durand N. Baller. 93

Artemisia tridactyla & trifida Nutt = Torr Rep. Pacific PR. 12. 53

A. scopulorum Gray n. sp. N. Hall. 66 note

Chamomilla discoidea Gay = Bot Zeitung 10, 649 17 Sept 1852 = Matricaria discoidea DC.
sp. Braun in

Raillardia (Gaudichaudia) argentea Gr. n sp. Bot Am Ac. 6. 550

R. scaposa Gr n sp ib. 551

Artemisia potentilloides Gr n sp. ib. 551



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Compositae Senecioideae Gnaphalieae

Artemisia Gayeri Gr. A. Pacif. 107 note = Gnaph. alienum Hook. Lond. Journ. Hook & Arn. Gnaphal. tomentosum Nutt. A. Jour. 173. good Species, Gray A. Pacif. 107 note

G. microcephalum Nutt.? Pl. Wr. 1. 124

G. leucocephalum Gr. n. sp. Pl. Wr. 2. 99

G. strictum Gr. as sp. A. Whipp. 110

Artemisia argentea Benth. Hartw. 319

A. margaritacea Nutt. var subalpina Gray A. Pacif. 67 note

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Compositae Senecioneae Senecioneae

Senecio Tendleri Gr. sp. nov. N. Amer. 108.

S. multicobatus Torr & Gr. n. sp. N. Amer 109 note

S. eurycephalus Torr & Gr. n sp. N. Amer. 109 note & var. Gr. N. Whipp. 111

Haploëstes Greggii Gray nov. gen. spec. N. Amer. 109 note Gr. N. Mex. 1. 125
Bot Bound. 102

Tetradymia ramosissima Torr & Gray Rep. 145 = Psathyrotes annua fide Gray
N. Amer. 323
Bot Bound. 102

Senecio amplellaceus Hook N. Lindh. 1. 42

S. centrophyllus Nees n sp. N. Nemoral 12

Bulbostylis (Psathyrotes) annua Nutt n. sp. N. Genera. 179. Psathyrotes n. gen. Gray
N. Mex. 2. 100

(Psathyrotes incisa Gr. n sp. N. Amer. 322 = Trichoptilium incisum Gray Bot Bound. 97
Tom. Bot Williams PRS. 361 T. 5
(& Helenicae)

Bartlettia scaposa Gr. n. gen. sp. N. Amer. 323

Senecio longilobus Benth. N. Hartw. 18 — N. Amer. 108. vars. N. Mex. 1. 124

S. Tampicanus DC. Prod. 6. p. 427. Bot Bound. 103

Cacalia decomposita Gr. n sp. N. Mex. 2. 99

Psathyrotes scaposa Gr. n. sp. N. Mex. 2. 100

Tetradymia glabrata Torr & Gr. n. sp. Bot Becker. P. R. 2. 122 t v

Senecio Californicus DC. Pr VI. 426 Torr & Gr. N. 2 437 Var. N. Whipp. 111

S. Bigelovii Gr n sp. N. Whipp. 111 & var Hallii Gray N. Hall. 67 note

Lessingia ramulosa Gray in N. Harter. 314 below with var. Haplopappus.
or Corethrogyne.

L. nana Gray in N. Harter. 315

L. virgata Gray in N. Harter 315

Arnica discoidea Benth. Harter. 319. Bot Bound. 102

Senecio Parryi Gr n sp. Bot Bound 103

S. cernuus Gr. n sp N. Parry 240

S. amplectens Gr. n sp. N. Parry 241 N. Hall. 67 note. & var. 16.

S. Alpinus & var alpinus Gr N. Parry 241 & var werneriifolius Gr. N. Hall 68 note

S. Soldanella Gray n. sp. N. Hall. 67 note.

S. Fremontii Torr & Gr. N. 2. 445. Gray N. Hall. 67 note.

S. Hartwegii Gray N. Hall. 67 note (S. cernuus var pygmaeus Bot Bound 103)

S. spatulifolius Kellogg n. sp. Proc Cal Ac 1. 57

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Compositae Cynareae

Cirsium Coulteri Hanv & Gr. n.sp. N. Amst. 110 not.

C. ochrocentrum Gr. n sp. N. Amst. 110. probably a form of C. undulatus Nutt
Gr. A. Wright. 1. 125

Also Cirsia see Gr. A. Wright. 1. 125

C. Wrightii Gr. n.sp. A. Wh. 2. 101

C. Neomexicanum Gr. n sp. A. Wh. 2. 101 (C. canescens Gr. N. Amst. 110 non Nutt)

C. Grahami Gr. n sp. A. Wh. 2. 102

C. Californicum Gr n sp. A. Wright. 112

C. acaule All. var Americanum Gray A. Hall. 68.

Cnicus? carlinoides Can var minor DC. Gray A. Hall. 69.

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Compositae Labiatiflorae

Lania nutans DC. Prod. 7.42

Trixis corymbosa Don.

Perezia nunicata Lag. Clarionea Don. DC. Prod. 7.62

P. nana Gray Bot Sp. U. Expl. III note U.S. Pr. 1.125

P. Wrightii Gr. n.sp. U. Expl. III. note

P. platyphylla Gr. n.sp. U. Expl. III. note

P. Thurberi Gr. n.sp. U. Pacific. 324 Bot Bound 104

Perezia sp. nov. Gr. U.S. Pr. 1.126 note

P. Wrightii Gr. n.sp. U.S. Pr. 1.127

Trixis angustifolia DC. Prod 7.69 U.S. Pr. 1.128. 2.102 var of T. stricta Gr. Bot Bound 104

Mogenia hypoleuca DC. Prod 7.22 Bot Bound 103

Trixis stricta R. Brown DC Prod 7.68 Bot Bound. 103 var angustifolia

(Perezia hyssopifolia Gr n.sp. Bot Bound. 104 note mexico)

Trixis California Kellogg n.sp. Proc Ac Cal. 2.182 v. it.

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Compositae Cichoriaceae 2

Hemizonia Schottii Gr. n. gen sp. Bot Bound. 105

H. Argyloni Gr. n sp. Bot Bound 105.

Raphanesquia Californica Natt. . . . Bot Bound. t. 34 p. 106

Calycoseris Parryi Gr. n. sp. Bot Bound 106

Malacothrix tenuifolia Natt — Bot Bound. 106

Macrorhynchus Lessingii Hook & Arn. — Bot Bound 107

Lygodesmia juncea Don var rostrata Gray A. Hall. by var.

Stenotheca marinatus Kellogg n gen spec Proc Calif Acad 3. 20 (1863) c. ic.

Calais crispa Gr n. sp. Proc Am Ac. 6. 552

C. aphanactis Gr n sp. 16. 552

Stephanomeria tenuifolia Gr. n. sp. 16. 552

St ? cichoracea Gr n sp. 16. 552

Crepis Andersonii Gr n sp. 17 553

Hieracium Breweri Gr n sp 16 553.

Anisocoma acaulis Torr & Gray n gen. spec. Bot Journ Nat Hist V. III (1845 c. tab.
Bot Bound. 18.

Stephanomeria paniculata Nutt Bot Bridge Gr. Bot Bound 18

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Compositae Cichoriaceae

Stephanomeria minorata Nutt Torr & Gr. Fl. (Jamesii paucifloa Rees
St. virgata Benth. Bot Sulph. 32. (S. elata Nutt. N. Gen. 6. 173.

Calais macrochaeta Gr. sp. nov. N. Pacif. 112. note.
Nevinia. Gr. N. Whipp. 112 note tab. 17. 18. (includes Atilophora & Scorzonella) see Bot Bound. 104
Atilophora nutans Gr. nov ~~gen. & sp.~~ N. Pacif. 113 note = Calais Gr. N. Whipp. 112

(Scorzonella nutans Hook. Lond Jour Bot. 6. 253
A. major Gr. nov. sp. N. Pacif. 113 note.

Malacothrix foxhoides Gray N. Pacif. 113 (not Torr & Gr. Fl. 2. 486 is
M. Fendleri Gray N. Whipp 2. 104
M. Coulteri Hans & Gr. n. sp. - N. Pacif. 113 note

Crepis ambigua Gr. n. sp. N. Pacif. 114 is Hieracium Fendleri Schultz Bomplandia 1861. p. 174 Sp.
Macrorhynchus purpureus Gr. n. sp. N. Pacif. 114 belongs to
M. foxioides vide Gray N. Hall 69. see also Malacothrix foxioides

Crepis acuminata Nutt Torr & Gr. Fl. Stansb Rep. 392 t. 8.
Apogon gracilis DC. Prod. 7. 78. G. N. Am. Fl. 2. 232
Pinaropappus roseus Less. DC Prod. 7 99. N. Am. Fl. 2. 232
Stephanomeria Thurberi Gr. sp. nov. N. Thurb. 325
Rafinesquia Neo mexicana Gr. n. sp. N. Am. 2. 103
Calycoseris Wrightii n. gen. sp. Gr. N. Am. 2. 104 t. 14
Benaultheca? exigua Gr. n. sp. N. Am. 2. 105
Macrorhynchus retrorsus Benth. Hartw. 320 N. Whipp. 114
M. gracilipes Torr & Gr. Fl. var N. Whipp. 115
M. humilis Benth Hartw. 320 N. Whipp. 115
M. heterophyllus Nutt - Torr & Gr. Fl. N. Whipp. 115. Bot Bound. 106
Troximon parviflorum Nutt Torr & Gr. Fl. 2. 490 N. Whipp. 115
Malacothrix obtusa Benth Hartw. 321
M. parviflora Benth. Hartw. 321
Lactuca Ludoviciana DC. noted by Engelm in Hayden's geol. Journ. Am. Acad. 12. p. 199
Malacothrix crepoides Gr. n. sp. N. Stevens Pl. R. 12. 53
Calais Parryi Gr. n. sp. Bot Whipp. 112 Bot Bound. 104
C. platycarpha ined ined.

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